

Fig 1

BMP Protein in  
Media

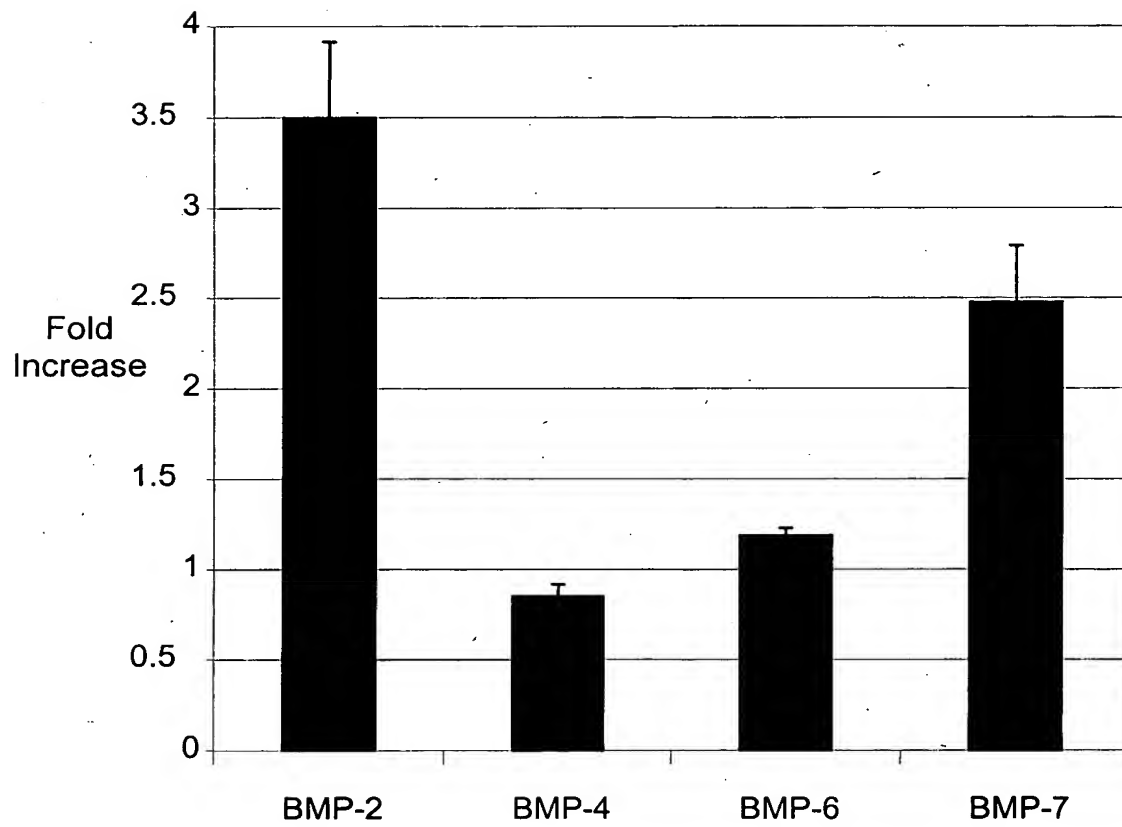


Fig 2

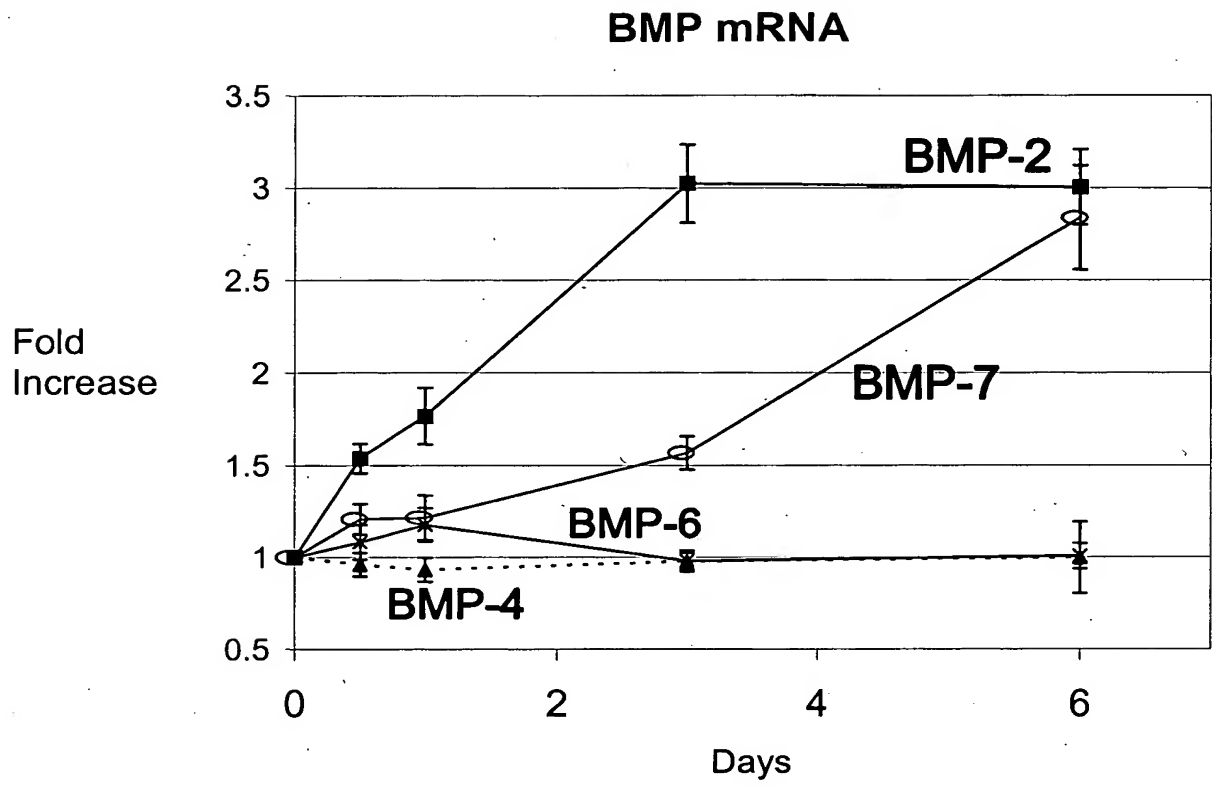


Fig. 3

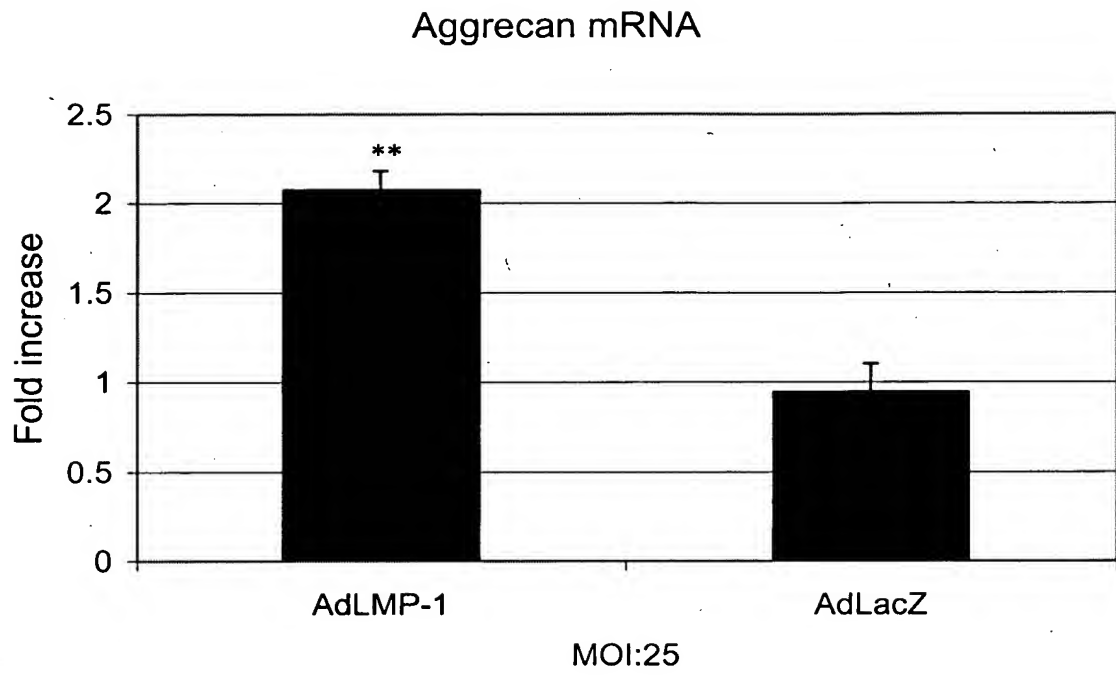


Fig. 4

Experiment No.	Rat #13	Rat #20	Rat #29
Experiment Date	April 11, 2002	June 13, 2002	September 5, 2002
TAT-LMP			
Prep Date	3/7/02	3/7/02 & 6/7/02	8/30/02
Stock	PBS	PBS & Ethanol	KOH
Recovery		80%	
Specifics			Lypophilized
ID#	Rabbit #1448	Rabbit #2013	Rabbit #2015
WB (vol)	15 ml	15 ml	12 ml
BC Prep	Manual-GH	Manual-GH	Manual-GH
Incubation by:	MN	MN	MV
Time:	30 min.	30 min.	30 min.
Vol. Total:	110-120 µl	105-110 µl	109 µl
Cells/vol.	15 M/ml	15 M/ml	9.1 M/ml
Cell#/disc	1.5 M	1.5 M	1 M
Col. Lot#	11/26/01	1/22/02	6/14/02
Doses Tested	1.56, 3.1, 6.3, 12.5, 25, 50, 100 & 200 nM	.16, .31, .63, 1.25, 1.56, 2.5, 5, 10 nM	0.08, .16, .31, .63, 1.25, 2.5, 5, 10 nM
Results	Bone Made: 1.56 nM* (3 of 4)	Bone made: .625 & 1.25 nM** (4 of 4) *did not repeat	Bone made: 10 nM (2 of 3), 5, 2.5, 1.25 nm (4 of 4)
BMP-2	Yes	Yes	Yes
Miscellaneous			Lypophilizing process differed from batch 8/1/02 used in Rat #27

Fig. 5

Experiment No.	Rabbit #13	Rabbit #20	Rabbit #29
Experiment Date	July 16, 2002	August 20, 2002	September 3, 2002
Prep Date	June 7, 2002	June 7, 2002	August 30, 2002
Stock	Ethanol	Ethanol	KOH
Specifics			Lypophilized
ID#	Rabbits	Rabbits	Rabbits
WB (vol)	6 ml	6 ml	6 ml
BC Prep	Manual-GH	Manual-GH	Manual-GH
Incubation by:	EG (MN)	MV	MV
Time:	30 min.	30 min.	30 min.
Vol. Total:	1050 $\mu$ l	1050 $\mu$ l	1050 $\mu$ l
Cells/vol.	6 M/ml	6 M/ml	6 M/ml
Cell#/disc	6 M	6 M	6 M
	Helistat	Helistat	Helistat
Doses Tested	2.5, 5, 10, 20, 30, 40, 50, 100	45, 50, 55, 60, 65, 70, 75	5, 10, 20, 30, 40, 50, 60, 70
Results	Bone Made: 50 ng/M (3 of 3) Fusion = 2 of 3	Bone Made: 50 ng/M (2 of 2) Fusion = 1 of 2	Bone Made: 50 ng/M (3 of 3) & 60 ng/M (2 of 3) Fusion - 1/dose

**Fig. 6**

<b>Peptide</b>	<b>Number of Positive Results (Bone Formation Detected)</b>	<b>Peptide Dose in nM</b>	<b>Observations</b>
<b>Peptide 1</b> <b>(SEQ ID NO 1)</b>	<b>2</b>	<b>5</b>	<b>Some bone growth</b>
	<b>2</b>	<b>10</b>	<b>Some bone growth</b>
<b>Peptide 2</b> <b>(SEQ ID NO 2)</b>	<b>1</b>	<b>10</b>	<b>Moderate growth</b>
	<b>3</b>	<b>12.5</b>	<b>Moderate to good</b>
	<b>1</b>	<b>11</b>	<b>growth</b> <b>Palpable growth</b>
<b>Peptide 3</b> <b>(SEQ ID NO 3)</b>	<b>1</b>	<b>25</b>	<b>Some bone growth</b>
<b>Peptide 4</b> <b>(SEQ ID NO 4)</b>	<b>2</b>	<b>17.5</b>	<b>Good bone growth</b>
	<b>1 (palpable)</b>	<b>15</b>	<b>Palpable growth</b>
<b>Peptide 5</b> <b>(SEQ ID NO 5)</b>	<b>1</b>	<b>5.5</b>	<b>Some bone growth in</b> <b>rabbit</b>
<b>Peptide 6</b> <b>(SEQ ID NO 6)</b>	<b>2</b>	<b>5</b>	<b>Some bone growth</b>
	<b>2</b>	<b>10</b>	<b>Some bone growth</b>
<b>Peptide 7</b> <b>(SEQ ID NO 7)</b>	<b>3</b>	<b>10</b>	<b>Good bone growth</b> <b>(palpable)</b>
	<b>2</b>	<b>12.5</b>	<b>Good bone growth</b> <b>(palpable)</b>
	<b>1</b>	<b>20</b>	<b>Excellent bone growth</b> <b>(palpable)</b>
<b>Peptide 8</b> <b>(SEQ ID NO 8)</b>	<b>2</b>	<b>12.5</b>	<b>Some bone growth (rat)</b>
	<b>1</b>	<b>5</b>	<b>Some bone growth (rabbit)</b>